

PATENT

In re application of:
Robert T. Lyons

Serial No. Not yet assigned

Dated: Herewith

For:USE OF ANTIMICROBIAL PEPTIDES
AS PRESERVATIVES IN OPHTHALMIC
PREPARATIONS, INCLUDING
SOLUTIONS, EMULSIONS, AND
SUSPENSIONS

ENTRY OF SEQUENCE LISTING

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Attached is the "Sequence Listing" which complies with the requirements of 37 CFR 1.821-1.825, for the above-identified application, in computer readable form (CRF) and paper form. The contents of the paper and computer readable copies are the same and include no new matter.

Respectfully submitted,

Franklin

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SEQUENCE LISTING

<110> Lynos, Robert T

<120> Use of ANtimicrobial Peptides as Preservatives in
Ophthalmic Preparations, Including Solutions,
Emulsions, and Suspensions

<130> 2973 ver 2

<140> not known

<141> 2001-05-30

<150> WO 96/25183

<151> 1996-08-22

<160> 14

<170> PatentIn Ver. 2.1

<210> 1

<211> 23

<212> PRT

<213> Xenopus laevis

<300>

<301> Lee et al.,

<302> High-Level Expression of Antimicrobial Peptide Mediated
by a Fusion Partner Reinforcing Formation of Inclusion
Bodies

<303> Biochem. Biophys. Res. Commun.

<304> 277

<306> 575-580

<307> Sept 21, 2000

<400> 1

Gly Ile Gly Lys Phe Leu His Ser Ala Gly Lys Phe Gly Lys Ala Phe

1

5

10

15

Val Gly Glu Ile Met Lys Ser

20

<210> 2

<211> 23

<212> PRT

<213> Xenopus laevis

<400> 2

2973ver1

Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala Phe
 1 5 10 15

Val Gly Glu Ile Met Asn Ser
 20

<210> 3
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> PEPTIDE
 <222> (22)
 <223> Xaa at position 22 is Lys-amide

<220>
 <223> Description of Artificial Sequence: maginin analog

<400> 3
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 1 5 10 15

Val Lys Ile Leu Lys Xaa
 20

<210> 4
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: maginin analog

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 1 5 10 15

Val Lys Ile Leu Lys Lys
 20

<210> 5
 <211> 37

202503240650

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<400> 5
Lys Trp Lys Leu Phe Lys Lys Ile Glu Lys Val Gly Gln Asn Ile Arg
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Asp Gly Ile Ile Lys Ala Gly Pro Ala Val Ala Val Val Gly Gln Ala
      20               25               30
Thr Gln Ile Ala Lys
      35

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<210> 6
<211> 36
<212> PRT
<213> silk moth

<400> 6
Lys Trp Lys Val Phe Lys Lys Ile Glu Lys Met Gly Arg Asn Ile Arg
      1              5              10              15
Asn Gly Ile Val Lys Ala Gly Pro Ala Ile Ala Val Leu Gly Glu Ala
      20              25              30
Lys Ala Leu Gly
      35

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<210> 7
<211> 38
<212> PRT
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: analog of cecropin B

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Met  Pro  Arg  Trp  Arg  Leu  Phe  Arg  Arg  Ile  Asp  Arg  Val  Gly  Lys  Gln
      1              5              10              15
Ile  Lys  Gln  Gly  Ile  Leu  Arg  Ala  Gly  Pro  Ala  Ile  Ala  Leu  Val  Gly
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<210> 11
 <211> 33
 <212> PRT
 <213> rabbit

<400> 11
 Val Val Cys Ala Cys Arg Arg Ala Leu Cys Leu Pro Arg Glu Arg Arg
 1 5 10 15
 Ala Gly Phe Cys Arg Ile Arg Gly Arg Ile His Pro Leu Cys Cys Arg
 20 25 30
 Arg

<210> 12
 <211> 11
 <212> PRT
 <213> cow

<400> 12
 Arg Leu Cys Arg Val Val Ile Arg Val Cys Arg
 1 5 10

<210> 13
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> PEPTIDE
 <222> (26)
 <223> Xaa at position 26 is Ser-amide

<220>
 <223> Description of Artificial Sequence: Hybrid
 antimicrobial peptide

<400> 13
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 1 5 10 15
 Leu Thr Thr Gly Leu Pro Ala Leu Ile Xaa
 20 25

FOET40"ESZ40660

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<220>  
<221> PEPTIDE  
<222> (16)  
<223> Xaa at position 16 is Leu-amide
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<400> 14
Lys Trp Lys Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Xaa

1 5 10 15